TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER
	19444.0008
	U.S. APPLICATION NO (If known, see 37 CFR 1 5)
	10/019784

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/FI00/00606	3 July 2000	7 July 1999

TITLE OF INVENTION

METHOD FOR REMOTE DIRECTING OF WWW-BROWSER

APPLICANT(S) FOR DO/EO/US

Antero Hälikkä and Aatu Koskensilta

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. [x] This is a **FIRST** submission of items concerning a filing under 35 U S.C. 371
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. § 371.
3. [x] This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1)
4. [x] A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.

5. [x] A copy of the International Application as **published** (35 U.S.C. 371(c)(2)) **WO 01/05093.**
   - a. [x] is transmitted herewith (required only if not transmitted by the International Bureau).
   - b. ☐ has been transmitted by the International Bureau.
   - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).

7. [x] Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
   - a. [x] are transmitted herewith (required only if not transmitted by the International Bureau).
   - b. ☐ have been transmitted by the International Bureau
   - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
   - d. ☐ have not been made and will not be made.

8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3).

9. [x] An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. Below concern other document(s) or information included:

11. [x] An Information Disclosure Statement under 37 CFR 1.97 and 1.98, 1449 and 7 references.

12. [x] An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. [x] A FIRST preliminary amendment.
    ☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.

15. ☐ A change of power of attorney and/or address letter

16. [x] Other items or information:
    PCT/ISA/210
    PCT/IPEA/401
    PCT/IPEA/408
    PCT/IPEA/409
    PCT/IPEA/416

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) **10/019784**	INTERNATIONAL APPLICATION NO. PCT/FI00/00606	ATTORNEY'S DOCKET NUMBER 19444.0008

[x] The following fees are submitted:

	CALCULATIONS	PTO USE ONLY

Basic National Fee (37 CFR 1.492(a)(1)-(5)):
Search Report has been prepared by the EPO or JPO... **$860.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482)................. **$690.00**

No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))... **$760.00**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO..**$1,040.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4).. **$100.00**

ENTER APPROPRIATE BASIC FEE AMOUNT =	$1,040.00	

Surcharge of **$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | $ | |

Claims	Number Filed	Number	Rate		
Total Claims	4 - 20 =	0	X **$18.00**	$	
Independent Claims	1 - 3 =	0	X **$84.00**	$	
Multiple dependent claim(s)(if applicable)			+ **$270.00**	$	

TOTAL OF ABOVE CALCULATIONS =	$1,040.00	

Reduction by 1/2 for filing by small entity, if applicable.	$	

SUBTOTAL =	$ 1,040.00	

Processing fee of **$130.00** for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	$	

TOTAL NATIONAL FEE =	$ 1,040.00	

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00** per property +	$ 40.00	

TOTAL FEES ENCLOSED =	$ 1,080.00	

	Amount to be: Refunded	$
	Charged	$ 1,080.00

a. ☐ A check in the amount of $_____ to cover the above fees is enclosed.

b. [x] Please charge my Deposit Account No. **19-5127, Order No. 19444.0008** in the amount of $ **1,080.00** to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [x] The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **19-5127, Order No. 19444.0008**. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status

SEND ALL CORRESPONDENCE TO:
Edward A. Pennington
Swidler Berlin Shereff Friedman, LLP
3000 K Street, N.W., Suite 300
Washington, DC 20007-5116

SIGNATURE

Eric J. Franklin
NAME
37,134
REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of   :

Antero Hälikkä et al.   :   Attorney Docket: 19444.0008

                                                       :

Application No.: U.S. National Phase   :
                of PCT/FI00/00606   :   Art Unit: --

                                                       :

Filed: January _4_, 2002   :   Examiner: --

Title: METHOD FOR REMOTE DIRECTING OF WWW-BROWSER

<u>Preliminary Amendment</u>

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

In the Claims:

Clean copy of amended claims:

3. A method as claimed in Claim 1, characterized in that the controller chooses the listeners allowed to access to the page (104) from a previosly created list displayed on his/her www-browser.

4. A method as claimed in Claim 1, characterized in that the by browsers (101) and (108), several listeners and at least one controller by his/her browser (102) are sharing the actions of said server (101) and said program (103) during the session.

Claims as amended:

3. (Amended) A method as claimed in Claim 1, [and 2] characterized in that the controller chooses the listeners allowed to access to the page (104) from a previosly created list displayed on his/her www-browser.
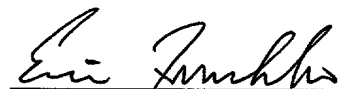
4. (Amended) A method as claimed in [Claims 1 and 2] Claim 1, characterized in that the by browsers (101) and (108), several listeners and at least one controller by his/her browser (102) are sharing the actions of said server (101) and said program (103) during the session.

<div align="center">

Remarks

</div>

Applicants have amended the claims to eliminate multiple dependencies and thereby reduce the filing fee.

Respectfully submitted,

Date: January 4, 2002

Eric J. Franklin, Reg. No. 37,134
Swidler Berlin Shereff Friedman
3000 K Street, NW, Suite 300
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Method for remote directing of www-browser

The content of the invention is a method by which the www-document displayed on one or more www-browsers can be changed by the controller through a window of his or her www-browser.

5 Simultaneous visual communication and phone contact is possible with current Internet technology. However, this requires that all parties have the necessary audio hardware as well as special software extensions to known www-browsers, such as Microsoft Internet Explorer and Netscape Navigator. With current technology it is possible to augment phone communication with presenting www-documents, usually to provide visual information. The

10 transmission of visual information is based on active use of the www-browser, in that the controller gives www-addresses to the listener, who then proceeds to direct his www-browser to the given www-address. The www-addresses are usually fairly long, and thus the imprecision of instructions given on phone is a disadvantage, especially due to the presence of special control characters and case sensitivity in the www-addresses (URLs). Especially in a

15 situation in which it is desired that a phone negotiation be augmented with presentation of www-pages, the maintainer of the negotiation has to specifically instruct each party in using their respective www-browsers, making it hard for them to appreciate the contents of the presented www-documents. This makes the arrangement impractical: the disadvantage manifests itself especially when the intended audience is large, with a video projector or

20 similar piece of equipment used to display the www-pages. Also in e-commerce there are situations in which a direct contact to the customer is required, making the phone a natural choice for communication. In such situations, say, product presentations can only be done by means of www-documents with the relevant information - this however requires constant instruction from the maintainer for the client in directing his www-browser to the desired

25 documents.

The aforementioned situations have created a need for creating a method by which the www-browser of a listener can be controlled by the presenter without the need for the active participation of the client.

Known methods for similar purposes require all parties to obtain special

30 software and equipment and install them onto their computers prior to the presentation.

The intent of the invention is to avoid the disadvantage caused by the special purpose additional software and equipment, namely their cost, the additional time required to

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instruct clients in installing and maintaining the special purpose components and the possibility of errors in writing and communicating URLs. The invention possesses the specific advantage of all parties being able to use the method with ordinary Internet-connections and ordinary phone line utilizing pre-existing Internet and telecommunications technology.

5   Characteristic to the method based on the invention is that in order to avoid the aforementioned disadvantages and bring forth the aforementioned advantages, the user of the method, controller, defines by means of her or his www-browser the specific www-document which is displayed in a window of the clients' www-browsers.

Method based on the invention is illustrated and explicated by means of the following diagrams, in which

10   Fig. 1 presents the functional portions and interrelations thereof of the remote controlling of www-browser.

Fig. 2 presents the control window, into which previously saved URLs can be brought.

The user of the method, controller, asks his clients or conversant, henceforth

15   listener, to direct his or her www-browser to a www-document specified by an URL pointing to a document in a server (100). The controller monitors this www-document in his own www-browser (101). The controller gives in the controller window in his or her www-browser (102) an address URL X, which is received in the server (100), and directed to a CGI-program (103) for processing. In various well known ways, it is possible to create partially or entirely

20   dynamic www-documents. In the example the CGI-program (103) creates a www-document (104) containing the URL 1, and for it a file (105), and optionally an information frame (106). In the file (105) there is a frame (107) which forms a window for the www-document to be presented, found at URL X. Both the client's www-browser (108) and the controllers www-browser (101) upon receiving the www-document from URL 1, retrieve in the frame

25   (107) a www-document at server (109) pointed to by the URL X the file (105). The document (104) ensures that when the URL X is changed, www-browsers (101) and (108) refresh the document respectively. This can be achieved by means of the command "RELOAD" or "REFRESH" supported by www-browsers. The document (104) can also implement a mechanism, which continously monitors a parameter at the server (100), and a program (103)

30   which when URL X is changed sets the parameter, which is noticed by the mechanism, which then proceeds to refresh the document (104). A possible implementation uses the JavaScript-language element "FileUpload" or an equivalent thereof, with the parameter

residing within a file in server (100). In the implementation, sepcial care is needed to ensure that the www-browsers retrieve the actual changed documents instead of relying on their local on-disk cache. This can be done in several ways. which include using the "META"-field of html-documents to request the www-browser to update the changing parameter.

5 Fig. 2. illustrates one possibility of extending the control window (102), allowing previously saved URLs be brought into it. For example, the window could function in such a fashion that the URL chosen is transferred to the input field (201) of the window (102), from which it is transferred to the server (100) (Fig 1.) by pressing the acknowledgement button (202). In similar fashion it is possible to create a control window which uses a previously created list of listeners allowed to access the www-document (104).

10 The www-documents and server-side programs required to implement the method as described above are well-known technology, and thus a competent person can create a working implementation based on the description above in an alternative ways in different programming languages. both interpreted and compiled. including combinations of both. These languages include. but are not restricted to. ActiveX. C. C++, Java, JavaScrpt, 15 JScript, Perl. VBScript. Instructions on implementing the details of the method are plentiful and can be found among other places at the www-sites of the developers of the respective languages. and the NCSA-server of the developers of the CGI-interface.

Naturally, a competent professional in the industry can implement the method based on the invention in ways not subsumed under the above description within the 20 restrictions set by the following claims.

Claims

1. A method for remote directing a www-browser, in which the controller starting a session, using his/her own www-browser (102), specifies via Internet an HTML-document for the browser of one or more listeners, being accessible to them trough their browsers (108), and to said controller trough his or her browser (101), to a program, which is a part of the method and is located in a server (100) accessible to said controller; said program controlling code containing files embedded onto the page (104); said controller instructing the listeners via any simultaneously used media to choose said HTML-document, further specifying by means of his browser the address of the www-page (110) intended to be displayed in the window (107) of the page (104); and said address being further delivered to the server and to said program, which embeds said address of the page (110) onto the listeners' page (104) **characterized** in that the listeners' page (104), upon being displayed by listeners' browsers (108) and controller's browser (101), makes said browsers continuously check for possible changes in said documents in the controller's server (100), and finding the changes, refreshes the copy of the page (104) of said listeners' browsers to match said files at the server, the refreshing of the listeners' page (104) being conditioned by monitoring change in a parameter residing in the said server, changed by the program (103) upon a different www-address having been chosen, after which the copy of the page (104) in the listeners' www-browsers (108) and controller's www-browser (101) is refreshed.

2. A method as claimed in Claim 1 **characterized** in that the controller picks the address of the www-document displayed on the listeners' www-browsers (108) from a previously created list of www-addresses.

3. A method as claimed in Claim 1, and 2 **characterized** in that the controller chooses the listeners allowed to access to the page (104) from a previously created list displayed on his/her www-browser.

4. A method as claimed in Claims 1 and 2 **characterized** in that by browsers (101) and (108), several listeners and at least one controller by his/her browser (102) are sharing the actions of said server(100) and said program (103) during the session.
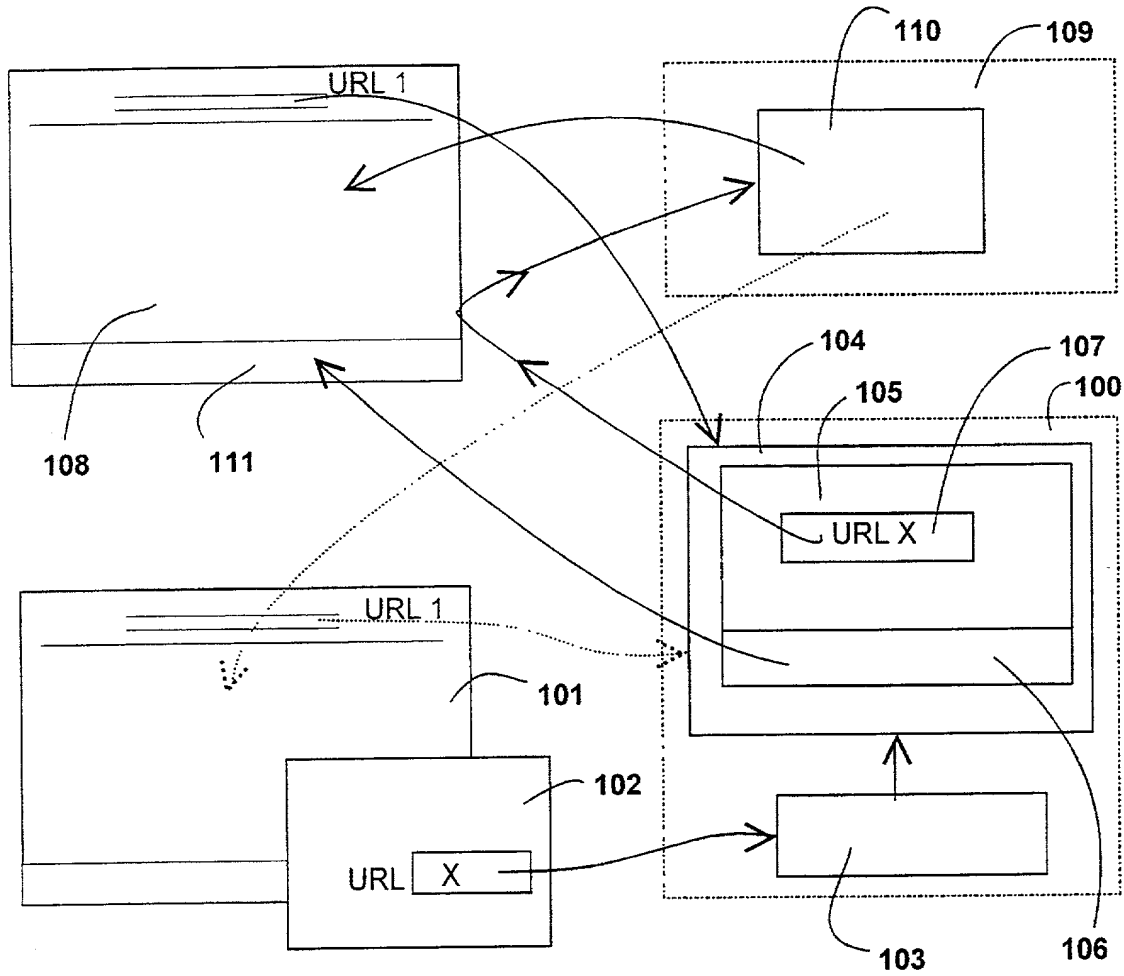
1 / 2

Fig. 1

LIST OF URLS

☐   ...info/data.html

☐   ...info/picture1.htm

☐   ...www.firm.com

☐

— 102

— 201

— 202

URL   [   ]   [OK]

Fig. 2

Docket No. 19444.

COMBINED DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD FOR REMOTE DIRECTING OF WWW-BROWSER

the specification of which

    a. ☐ is attached hereto

    b. ☐ was filed on _____ as application Serial No. _____ and was amended on _____. (if applicable).

PCT FILED APPLICATION ENTERING NATIONAL STAGE

    c. ☒ was described and claimed in International Application No. PCT/FI00/00606 filed on July 3, 2000 and as amended on _____. (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R.§1.56.

I hereby specify the following as the correspondence address to which all communications about this application are to be directed:

SEND CORRESPONDENCE TO: Edward A. Pennington
    SWIDLER BERLIN SHEREFF FRIEDMAN, LLP
    3000 K Street, N.W., Suite 300
    Washington, D.C. 20007-5166

DIRECT TELEPHONE CALLS TO: Eric J. Franklin. 202-424-7500

☒   I hereby claim foreign priority benefits under Title 35, United States Code§119 (a)-(d) or under§365(b) of any foreign application(s) for patent or inventor's certificate or under§365(a) of any PCT international application(s) designating at least one country other than the U.S. listed below and also have identified below such foreign application(s) for patent or inventor's certificate or such PCT international application(s) filed by me on the same subject matter having a filing date within twelve (12) months before that of the application on which priority is claimed:

1

9278_1

Full name of sole or first inventor   Antero Hiikkä

100

Inventor's signature   _____

Date: 7. 12. 2001

Residence: Nurmenkatu 6, FIN-33820 Tampere, Finland

Citizenship: Finland   FIX

Post Office Address: Nurmenkatu 6, FIN-33820 Tampere, Finland

Full name of second inventor   Aatu Koskensilta

200

Inventor's signature   _____

Date: 7.12. 2001

Residence: Kaupinkatu 24 A 22. FIN-33500 Tampere, Finland   FIX

Citizenship: Finland

Post Office Address: Kaupinkatu 24 A 22, FIN-33500 Tampere, Finland

☐   ATTACHED IS ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR
         SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS FORM.

9278_1

☒   The attached 35 U.S.C.§119 claim for priority for the application(s) listed below forms a part of this declaration.

Country/PCT	Application Number	Date of filing (day, month, yr)	Date of issue (day, month, yr)	Priority Claimed
Finland	991557	07 / 07 / 1999		☒ Y ☐ N
				☐ Y ☐ N
				☐ Y ☐ N

☐   I hereby claim the benefit under 35 U.S.C.§119(e) of any U.S. provisional application(s) listed below.

Provisional Application No.   Date of filing (day, month, yr)

_____   _____

ADDITIONAL STATEMENTS FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART OR PCT INTERNATIONAL APPLICATION(S DESIGNATING THE U.S.)

I hereby claim the benefit under Title 35, United States Code§ 120 of any United States application(s) or under§ 365(c) of any PCT international application(s) designating the U.S. listed below.

US/PCT Application Serial No.   Filing Date,   Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)

US/PCT Application Serial No.   Filing Date,   Status (patented, pending, abandoned)/ U.S. application no. assigned (For PCT)

☐   In this continuation-in-part application, insofar as the subject matter of any of the claims of this application is not disclosed in the above listed prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code,§ 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations,§ 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: Customer No. 23517: Edward A. Pennington (Reg. No. 32,588), John P. Moran (Reg. No. 30,906), Eric J. Franklin (Reg. No. 37,134), Michael A. Schwartz (Reg. No. 40,161), Robert C. Bertin (Reg. No. 41,488), Alicia A. Meros (Reg. No. 44,937), Chadwick A. Jackson (Reg. No. 46,495), Sean O'Hanlon (Reg. No. 47,252), and John P. Mulgrew, II (Reg. No. 47,809) of Swidler Berlin Shereff Friedman having an address of 3000 K Street, N.W., Suite 300, Washington, D.C. 20007-5116.

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